



MISSOURI DEPARTMENT OF NATURAL RESOURCES

CHAPTER 8 STAKEHOLDERS MEETING

Attendees:

Don Mayhew (Mayhew Surveying & Engineering), Mark Bross (Klinger & Associates), Kent Strucker (American Water Works), Jeff Barnard (Burns & Mac), Randy Clarkson (Bartlett & West), Seth Cogen (Total Environmental Services), [Emily Lyon](#), [Cynthia Smith](#), [Dave Uhlig](#), [Leland Neher](#) (on conference call), [Keith Forck](#), [Byron Shaw](#), and [Rob Morrison](#)*

* DNR employees are denoted in blue.

Introduction:

- ❖ We will be discussing rules 140 through 170 today. These rules had previously been discussed, but there were few comments.
- ❖ Will begin writing the RIR for 110 through 170
- ❖ Goal is to present the RIR and rules to the Clean Water Commission (CWC) at the July meeting (110 through 210)
- ❖ After the CWC approval, the rules and RIR will be on public notice for about 90 days
- ❖ The rule making process may take 18 months from the date of the July CWC meeting
- ❖ The rules have been changed to stay with the 10 States Standards

10 CSR 20-8.140:

Mayhew:

- ❖ **(5)(B)1.**: 3 facilities only in Missouri?
 - [Nationwide](#)
- ❖ **(5)(B)2.**: Provisions for pilot plants?
 - The provisions are there. Need to supply pilot plant or full scale data for unproven technology.

Uhlig:

- ❖ **(6)(B)3.**: Mentions that 10 States used the word bypassing and we are trying to avoid the term
- ❖ **(9)**: Mentions that we may have to include NFPA requirements in the future
- ❖ **(10)**: Mentions that 10 States has 3 categories, but utilized only 2

Mayhew:

- ❖ **(3)(C)**: What water sources are meant? Drinking water sources?
 - We should be consistent with Drinking Water regulations

Lyon:

- ❖ **(3)(C)**: Does this apply to only new construction?
 - No, we want to see the DGLS report for existing facilities



**MISSOURI
DEPARTMENT OF
NATURAL RESOURCES**

Speaker Unknown:

- ❖ **(3)(B)**: 500-year flood instead of 100-year?
 - Sticking with 100-year flood

10 CSR 20-8.150:

Neher:

- ❖ **(3)(A)3.A.**: Take out 5/8" and replace with "smaller".

Bross:

- ❖ **(3)(A)4.B.**: Will stairways be required for pits deeper than 4 feet?
 - Yes

Strucker:

- ❖ **(3)(A)3.I.**: Screening Removal and Disposal should be paragraph I. Also the subparagraphs should be (I), (II), and (III)

Mayhew:

- ❖ **(3)(A)2.A.**: Why is the access only through an outside entrance? Why not a door?
 - Doesn't meet code for a hazardous location (Mark Bross)

Strucker:

- ❖ **(3)(A)**: Should clarify that this section does not apply to (3)(B) fine screens.
 - We can do that

Uhlig:

- ❖ **(4)**: Are comminutors still being used?
 - Yes

Smith:

- ❖ **(5)(B)1.**: Should the "shall" and "must" be changed back to shoulds?
 - It should only be a recommendation, because it is not always possible

Speaker Unknown:

- ❖ **(3)(A)8.**: What peak flow is referred to here?
 - We need to be consistent with the definitions of peak flow in 110
 - 10 States says instantaneous peak flow (Randy Clarkson)
 - Leland suggested peak hourly flow, which is consistent with comminutors

Strucker:

- ❖ **(5)(B)2.A.**: Seems redundant when the rule is referenced

Lyon:

- ❖ **(5)(C)1.**: This paragraph mentions the word bypass a lot.



**MISSOURI
DEPARTMENT OF
NATURAL RESOURCES**

- Could say unit isolation for maintenance purposes or something to that effect

Speaker Unknown:

- ❖ **(5)(C)1.:** What is considered a “small” wwtp?
 - Bear in mind that this rule used to be 22,500 gpd and above
 - Could be defined in the Department internal guidance document
 - Should it say it may be allowed up to a certain gpd?
 - Not aware of any manually cleaned grit chambers
 - Randy mentioned that a flow equalization basin could service as a manually cleaned grit chamber (just pump out grit every once in awhile)
 - Remove the 2nd sentence and remove the word “large”

Speaker Unknown:

- ❖ **(7)(E)2.:** Change “should” to “shall”

Discussion on NFPA versus NEC:

- ❖ Barnard for NFPA and Mayhew for NEC
- ❖ NEC focuses on mechanical/electrical issues and concerns
- ❖ NEC has provisions for sealed doors, equipment
- ❖ NEC requires certain pumps, but most specifications do not spec out the correct pump equipment
- ❖ NFPA focuses on the potential of a fire
- ❖ NFPA has good ventilation language
- ❖ NFPA 8-20

10 CSR 20-8.160:

Mayhew:

- ❖ **(4)(A):** Why was the side water depth changed from 7' to 10"?
 - 10 States

Clarkson:

- ❖ **(4)(B)2.B.:** Glad to see 35 pounds per square foot

Speaker Unknown:

- ❖ **(5)(B)3.:** “Provisions shall be made to allow for visual confirmation of return sludge.” How are you to visually confirm?
 - Maybe change to “should” instead of “shall”
 - Could use sight glass or clear tube or pipe to the influent box

Speaker Unknown:

- ❖ **(5)(B)4.B.:** Strike out the words “viewing”



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Cogen:

- ❖ **(4)(D)3.**: Why were the weir loadings raise?
 - 10 States
 - Solids loading rates is more important than weir loading rates especially for extended aeration

Strucker:

- ❖ **(5)(A)**: What is “full service” defined as?
 - Strike out “full service” and begin sentence with “Scum collection...”

10 CSR 20-8.170:

- ❖ Was not covered at this time.

Conclusions:

- ❖ Send comments to either Byron Shaw or Dave Uhlig
- ❖ Next meeting will cover 170 through 210